

CLAIMS

1. A shift device for a transmission with a cam drive, which has a shifting roll guided rotatably about an axle and which said roll possesses grooves thereon, as well as a selection finger which can engage itself in the grooves, therein characterized, in that the shift device is designed as a passive, speed of rotation regulated system, wherein a choice of a desired gear stage for upshifting as well as downshifting is enabled as a function of the speed of rotation of the shifting roll and in the presence of the thereby occurring centrifugal force.

2. A shift device according to claim 1, therein characterized, in that on the outer circumference of the shifting roll, rocking elements (8) are supported on rotatable axles (6) which are provided on both ends respectively with wedge-shaped tips (1, 2, 3, 4, 5; 10, 11, 12, 13, 14) and in that on one side of the rotatable axle (6) a compression spring (9) is placed, which exerts force upon the wedge-shaped tips (1, 2, 3, 4, 5), which on the rocking element (8) are located on that end of the rocker element which is remote from the spring (9).

3. A shift device according to claim 2, therein characterized, in that the rotatable axle (6) is asymmetrically placed in reference to the corresponding groove.

4. A shift device according to claims 2 or 3, therein characterized, in that to each gear stage groove of the shifting roll, a neutral groove is bound.